

## METHOD FOR ACOUSTIC TRASNSDUCER CALIBRATION

## ABSTRACT OF THE DISCLOSURE

5           A method of acoustic transducer calibration (200, 400)  
using a band limited pseudo random noise source with an  
internal digital signal processor (209, 403) to tailor audio  
characteristics of an internal microphone 103 and internal  
speaker (301) within a communications device (101) to insure  
10 consistent amplitude and frequency characteristics of these  
microphone and speaker transducer devices. The method  
offers and advantage such that tuning of the amplitude and  
frequency response consistently converges to the desired  
filter response with a filter type offering operational  
15 stability.

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